

Ans. B27

1. An isolated nucleic acid molecule selected from the group consisting of:
 - a) a nucleic acid molecule comprising a nucleotide sequence which is at least 89.5% identical to the nucleotide sequence of SEQ ID NO:1, SEQ ID NO:17, the cDNA insert of the plasmid deposited with ATCC as Accession Number 98821, the cDNA insert of the plasmid deposited with ATCC as Accession Number 207173, or a complement thereof;
 - b) a nucleic acid molecule comprising a nucleotide sequence which is at least 58% identical to the nucleotide sequence of SEQ ID NO:29, the cDNA insert of the plasmid deposited with ATCC as Accession Number 207172, or a complement thereof;
 - c) a nucleic acid molecule comprising a nucleotide sequence which is at least 76% identical to the nucleotide sequence of SEQ ID NO:41, the cDNA insert of the plasmid deposited with ATCC as Accession Number 207171, or a complement thereof;
 - d) a nucleic acid molecule comprising a nucleotide sequence which is at least 70% identical to the nucleotide sequence of SEQ ID NO:3, SEQ ID NO:19, SEQ ID NO:31, or a complement thereof;
 - e) a nucleic acid molecule comprising a nucleotide sequence which is at least 92% identical to the nucleotide sequence of SEQ ID NO:43, or a complement thereof;
 - and
 - f) a nucleic acid molecule which encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:2, SEQ ID NO:4, SEQ ID NO:18, SEQ ID NO:20, an amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Accession Number 98821, an amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Accession Number 207173, an amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Accession Number 207172, or an amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Accession Number 207171.

2. The isolated nucleic acid molecule of claim 1, which is selected from the group consisting of:

a) a nucleic acid comprising the nucleotide sequence of SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:17, SEQ ID NO:19, SEQ ID NO:29, SEQ ID NO:31, SEQ ID NO:41, SEQ ID NO:43, the cDNA insert of the plasmid deposited with ATCC as Accession Number 98821, the cDNA insert of the plasmid deposited with ATCC as Accession Number 207173, the cDNA insert of the plasmid deposited with ATCC as Accession Number 207172, the cDNA insert of the plasmid deposited with ATCC as Accession Number 207171, or a complement thereof; and

b) a nucleic acid molecule which encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:2, SEQ ID NO:4, SEQ ID NO:18, SEQ ID NO:20, SEQ ID NO:30, SEQ ID NO:32, SEQ ID NO:42, SEQ ID NO:44, an amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Accession Number 98821, an amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Accession Number 207173, an amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Accession Number 207172, or an amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Accession Number 207171.

3. The nucleic acid molecule of claim 1 further comprising vector nucleic acid sequences.

4. The nucleic acid molecule of claim 1 further comprising nucleic acid sequences encoding a heterologous polypeptide.

5. A host cell which contains the nucleic acid molecule of claim 1.

6. The host cell of claim 5 which is a mammalian host cell.
7. A non-human mammalian host cell containing the nucleic acid molecule of claim 1.
8. An isolated polypeptide selected from the group consisting of:
 - a) a polypeptide which is encoded by a nucleic acid molecule comprising a nucleotide sequence which is at least 70% identical to a nucleic acid comprising the nucleotide sequence of SEQ ID NO:3, SEQ ID NO:19, SEQ ID NO:31, or a complement thereof.
 - b) a polypeptide which is encoded by a nucleic acid molecule comprising a nucleotide sequence which is at least 92% identical to a nucleic acid comprising the nucleotide sequence of SEQ ID NO:43, or a complement thereof; and
 - c) a polypeptide comprising the amino acid sequence of SEQ ID NO:2, SEQ ID NO:4, SEQ ID NO:18, SEQ ID NO:20, SEQ ID NO:30, SEQ ID NO:32, SEQ ID NO:42, or SEQ ID NO:44.

15. A kit comprising a compound which selectively binds to a polypeptide of claim 8 and instructions for use.

16. A method for detecting the presence of a nucleic acid molecule of claim 1 in a sample, comprising the steps of:

- a) contacting the sample with a nucleic acid probe or primer which selectively hybridizes to the nucleic acid molecule; and
- b) determining whether the nucleic acid probe or primer binds to a nucleic acid molecule in the sample.

17. The method of claim 16, wherein the sample comprises mRNA molecules and is contacted with a nucleic acid probe.

18. A kit comprising a compound which selectively hybridizes to a nucleic acid molecule of claim 1 and instructions for use.

19. A method for identifying a compound which binds to a polypeptide of claim 8 comprising the steps of:

- a) contacting a polypeptide, or a cell expressing a polypeptide of claim 8 with a test compound; and
- b) determining whether the polypeptide binds to the test compound.

